

## Title (en)

Variable-throat exhaust turbocharger and method for manufacturing constituent members of variable throat mechanism

## Title (de)

Turbolader mit verstellbarem Einlass und Verfahren zur Herstellung von Teilen dessen Verstellmechanismus

## Title (fr)

Turbocompresseur à capacité variable et procédé de fabrication des éléments constitutifs du mécanisme de variation

## Publication

**EP 1757786 A3 20140813 (EN)**

## Application

**EP 06119587 A 20060825**

## Priority

JP 2005243829 A 20050825

## Abstract (en)

[origin: EP1757786A2] A variable-throat exhaust turbocharger can be provided, in which is used a means to reduce wear of the contact surfaces of the connection pin parts (10) which are formed integral with the lever plates (1) or the drive ring (3) and the grooves (3y) into which the connection pin parts (10) are engaged, and which has a means to prevent slipping out of the drive ring (3) from the nozzle mount (5) toward the lever plate (1) to prevent probable occurrence of fail in action of the variable nozzle mechanism (100) caused by the slipping out of the drive ring (3) is provided by the invention. In the invention, the connection pin parts (10) to make connection between the lever plates (1) and drive ring (3) of the variable throat mechanism are formed integral with either the lever plates (1) or the drive ring (3) by extrusion or by precision casting, and at least the connection pin parts (10) or grooves (3y) into each of which each of the connection pin parts (10) is engaged are treated with surface hardening including diffusion coating.

## IPC 8 full level

**F02C 6/12** (2006.01); **F01D 17/16** (2006.01)

## CPC (source: EP KR US)

**F01D 17/04** (2013.01 - KR); **F01D 17/165** (2013.01 - EP US); **F02B 37/12** (2013.01 - KR); **F02B 37/22** (2013.01 - KR); **F05D 2220/40** (2013.01 - EP US); **F05D 2230/211** (2013.01 - EP US); **F05D 2230/313** (2013.01 - EP US); **F05D 2230/314** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP US); **Y10T 29/4932** (2015.01 - EP US)

## Citation (search report)

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## Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

## Designated extension state (EPC)

AL BA HR MK RS

## DOCDB simple family (publication)

**EP 1757786 A2 20070228; EP 1757786 A3 20140813; EP 1757786 B1 20180502**; BR PI0605188 A 20070427; BR PI0605188 B1 20181127; CN 101344017 A 20090114; CN 101864996 A 20101020; CN 101864996 B 20120704; CN 1920262 A 20070228; CN 1920262 B 20110525; JP 2007056791 A 20070308; JP 4545068 B2 20100915; KR 101330400 B1 20131115; KR 20070024438 A 20070302; US 2007068155 A1 20070329; US 7406826 B2 20080805

## DOCDB simple family (application)

**EP 06119587 A 20060825**; BR PI0605188 A 20060825; CN 200610128895 A 20060825; CN 200810130623 A 20060825; CN 201010170068 A 20060825; JP 2005243829 A 20050825; KR 20060081360 A 20060825; US 50963606 A 20060825